

<b>PBI #1</b>		Prior bug
As	an election official using the voting system software	High priority
I want	the program to provide appropriate error messages if a bad ballot file is passed in	Done
So that	I can fix the file and provide the correctly formatted file	
Acceptance Criteria	Generate appropriate errors for empty ballot files, files with parse problems	
Definition of Done	Generate an error if unable to parse input CSV file; accept correctly formatted CSV files; No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
Effort	Medium (~5-6 hours)	
PBI Authors	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #2</b>		Prior bug
As	an election official using the voting system software	High priority
I want	Candidates or parties with ties to be resolved via a 50/50 coin flip	Done
So that	Ties are resolved randomly, fairly, and independently of other factors	
Acceptance Criteria	Ties between candidates or between parties can be resolved randomly	
Definition of Done	Ties between candidates or between parties can be resolved randomly; No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
Effort	Small (~2-3 hours)	
PBI Authors	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #3</b>		Prior bug
As	a developer	High priority
I want	to be able to create and run an election, easily. The electables field is not populated unless three additional functions are called in order	Done
So that	The probability of logic errors are reduced and the system is easily extensible.	
Acceptance Criteria	A new method is added to votingSystem to automatically call processElectables(), countVotes(), and calculateResults().	

<i>Definition of Done</i>	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
<i>Effort</i>	Small (~2-3 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #4</b>		New feature
<i>As</i>	an election official	Medium priority
<i>I want</i>	Multiple files to be brought in for a CPL election	In progress
<i>So that</i>	they can bring in different files from different balloting locations	
<i>Acceptance Criteria</i>	Multiple .csv input files for CPL election being read correctly at the same time	
<i>Definition of Done</i>	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
<i>Effort</i>	Small (~2-3 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #5</b>		New feature
<i>As</i>	an election official	Medium priority
<i>I want</i>	Multiple files to be brought in for an OPL election	In progress
<i>So that</i>	they can bring in different files from different balloting locations	
<i>Acceptance Criteria</i>	Multiple .csv input files for OPL election being read correctly at the same time	
<i>Definition of Done</i>	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
<i>Effort</i>	Small (~2-3 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #6</b>		New feature

As	an election official	Medium priority
I want	MPO election ballots to be brought in via a .csv file	In progress
So that	the election can be run by the MPO algorithm in the system	
Acceptance Criteria	.csv input file for MPO election being read correctly	
Definition of Done	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
Effort	Small (~2-3 hours)	
PBI Authors	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #7</b>		New feature
As	an election official	Medium priority
I want	Multiple files to be brought in for a MPO election	Not done
So that	they can bring in different files from different balloting locations	
Acceptance Criteria	Multiple .csv input files for MPO election being read correctly at the same time	
Definition of Done	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
Effort	Small (~2-3 hours)	
PBI Authors	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #8</b>		New feature
As	an election official	In progress
I want	to write an algorithm that determines multiple winners based on the candidates receiving the most ballots with a fair coin toss	
So that	an MPO election can be run by the voting system	
Acceptance Criteria	MPO algorithm correctly calculates the winners and losers and fairly determines ties if there are any	

<i>Definition of Done</i>	No compilation error; unit tests for each method and agreed amount of system tests pass; correct and fair output	
<i>Effort</i>	Large (~6-7 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #9</b>		New feature
<i>As</i>	an election official	In progress
<i>I want</i>	MV election ballots to be brought in via a .csv file	
<i>So that</i>	the election can be run by the MV algorithm in the system	
<i>Acceptance Criteria</i>	.csv input file for MV election being read correctly	
<i>Definition of Done</i>	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
<i>Effort</i>	Small (~2-3 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #10</b>		
<i>As</i>	an election official	
<i>I want</i>	Multiple files to be brought in for an MV election	
<i>So that</i>	Different files can be brought in from different balloting locations	
<i>Acceptance Criteria</i>	Multiple .csv input files for MV election being read correctly at the same time	
<i>Definition of Done</i>	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output	
<i>Effort</i>	Small (~2-3 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #11</b>		
<i>As</i>	an election official	

<i>I want</i>	to determine multiple winners based on the candidates receiving the most ballots with a fair coin toss if there is a tie or ties between candidate	
<i>So that</i>	our voting system can handle and process votes case in an MV election using an Municipality Voting (MV) algorithm	
<i>Acceptance Criteria</i>	Program correctly produces multiple winners in MV format	
<i>Definition of Done</i>	Program section passes unit tests; no logic errors that produces incorrect winner results; agreed amount of system tests pass	
<i>Effort</i>	Large (~6-7 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #12</b>		
<i>As</i>	an election official	
<i>I want</i>	MPO election statistics to be displayed to the screen at the end of the election	
<i>So that</i>	MPO election results and other relevant info can be read and understood easily by election officials	
<i>Acceptance Criteria</i>	Clearly displays the winners and losers of the election, as well as the percentage of votes each candidate received.	
<i>Definition of Done</i>	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output/displays the correct information in an easily understandable format	
<i>Effort</i>	Medium (~4-5 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	
<b>PBI #13</b>		
<i>As</i>	an election official	
<i>I want</i>	to display results from an MV election to the screen to see who won and who lost	
<i>So that</i>	election officials can easily view results and know the number of votes they received by all the voters	

<i>Acceptance Criteria</i>	Displays the winners and losers of the election, as well as the number of votes received by all of the voters	
<i>Definition of Done</i>	No compilation error; unit tests for each method and agreed amount of system tests pass; correct output/displays the correct information in an easily understandable format	
<i>Effort</i>	Medium (~4-5 hours)	
<i>PBI Authors</i>	Team 13 (Ashwin Wariar, Janani Kannan, Leo Dong, Alex Johnson)	